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FIGURE 1 - PRIOR ART

08 2910 0318
S

Please bring entire bill if payment is made in person or return stub with your payment by mail.

Total Amount Due
\$15.97
Please Pay This
Amount By 09/01/00

The Gas Company
P.O. Box

0811008L-0168-035482 1 AV D 243
MARLIN BARRERA
1257 W 41ST ST
LOS ANGELES CA 90037-1705

Your Account Number
078 405 8410 3

102 101

80 0784058410 00001597 37 0784058410 0000159737 101 104 101

FIGURE 2 - PRIOR ART

Electric Company WE

025104183313070169440494084148114

Account Number	Service To	Amount Due	Amount Enclosed
HTC 71 69444-4	08/09/00	\$148 11	

H:1.3.327 1 AC 0.238 **C085 201

DIANE M LEWIS
3701 LIZ DR
BAKERSFIELD CA 93312-2308 202

Box
Sacramento, CA
95899-7300

08/10 Please return this portion with your payment. Thank you 0x 251

FIGURE 3 - PRIOR ART

Return This Section With Your Payment

22032107017 4500518

***** AUTOOCR **C037

JAMES BARBERA
191 ERIAL RD
PINE HILL, NJ 08021-4427

☐ YES! I want pipe protection at \$1.50 per month.

☐ Check for name address, phone corrections

PO Box
Folsom, NJ 08037-6000

Past Due After Aug 12 2000 Please Pay \$45.00

FIGURE 4 - PRIOR ART

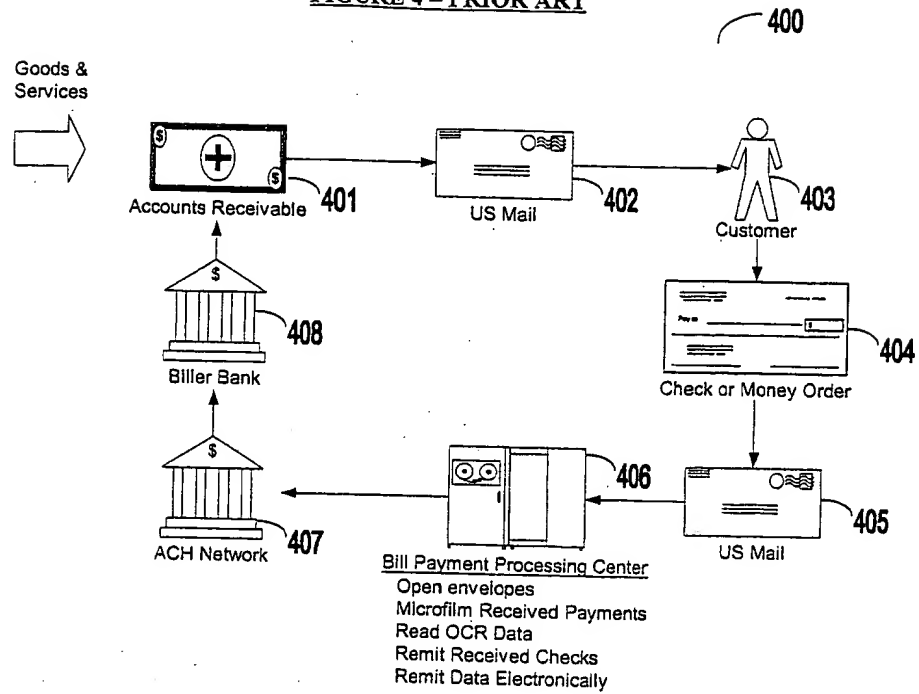


FIGURE 5

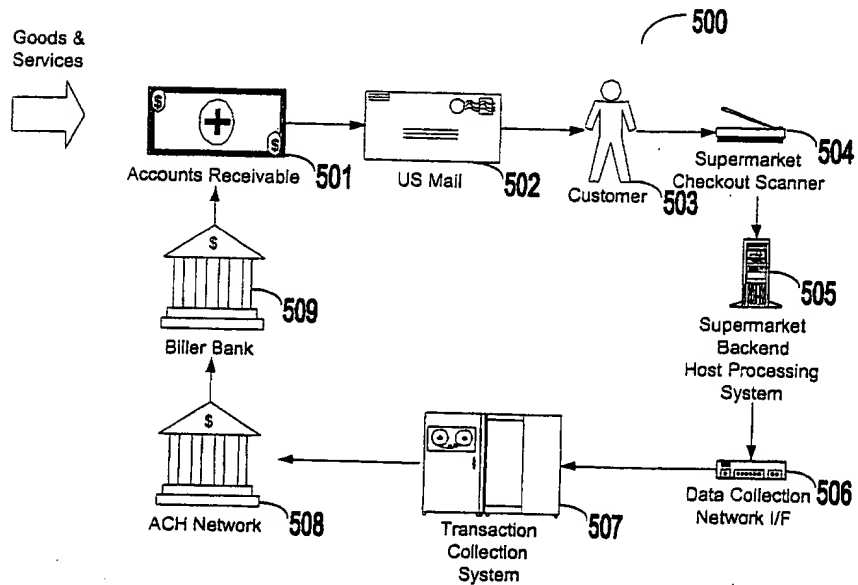


FIGURE 6

600

L1 Bar Code Symbolology with Embedded Check Symbol ← 601

L2 (fd) (.....data.....) (cd) ← 602

L3 (fd) (.....data.....) (.....data.....) (cd) ← 603

L4 (fd) (...data....) (cd) (fd) (.....data....) (.....data....) (cd) ← 604

:

Ln ← 605

FIGURE 7

700

L1 Bar Code Symbolology with Embedded Check Symbol

L2 (.....data.....) (fd) (cd)

L3 (.....data.....) (.....data.....) (fd) (cd)

L4 (...data....) (fd) (cd) (.....data....) (.....data....) (fd) (cd)

:

Ln

FIGURE 8

LEVEL 1 ENVELOPE 800





FIGURE 9

LEVEL 2 ENVELOPE

130001735076405841036 3

900

Digit	Weight	Digit*Weight	Sum of Digits	Running Sum
1	1	1	1	1
3	3	9	9	10
0	1	0	0	10
0	3	0	0	10
0	1	0	0	10
1	3	3	3	13
7	1	7	7	20
3	3	9	9	29
5	1	5	5	34
0	3	0	0	34
7	1	7	7	41
6	3	18	9	50
4	1	4	4	54
0	3	0	0	54
5	1	5	5	59
8	3	24	6	65
4	1	4	4	69
1	3	3	3	72
0	1	0	0	72
3	3	9	9	81
6	1	6	6	87
3				

FIGURE 10

LEVEL 3 ENVELOPE

1000

Format Designator Value - 3

Example - 3 000173 5 0764058410 3 6

1 Digit Format Designator Value = 3 ← 1001
6 Digit Biller Identification Number ← 1002
1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm ← 1003
Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition) ← 1004
Customer Account Number with embedded (and known algorithm) check digit (3) ← 1005
Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (6) ← 1006

FIGURE 11

LEVEL 3 ENVELOPE

1100

Format Designator Value - 4

Example - 3 000173 5 0764058410 3 4

1 Digit Format Designator Value = 4 ← 1101
6 Digit Biller Identification Number ← 1102
1 Check Digit of preceding 6 digits using 371371 weights, MOD10 algorithm ← 1103
Number of Components (1 Fixed Length (7), 1 Variable Length) (By Definition) ← 1104
Customer Account Number with added check digit to be discarded before presentment to biller (3) ← 1105
Calculated check digit of Level 3 data using 2121... weights, Split MOD10 algorithm (4) ← 1106

FIGURE 12

VALID ACCOUNT NUMBER

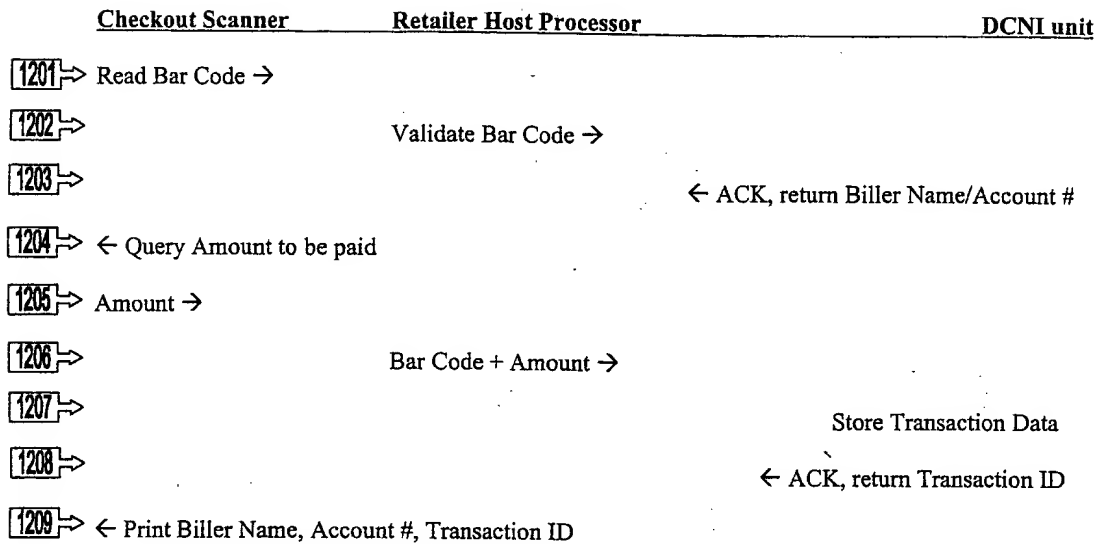


FIGURE 13

INVALID ACCOUNT NUMBER

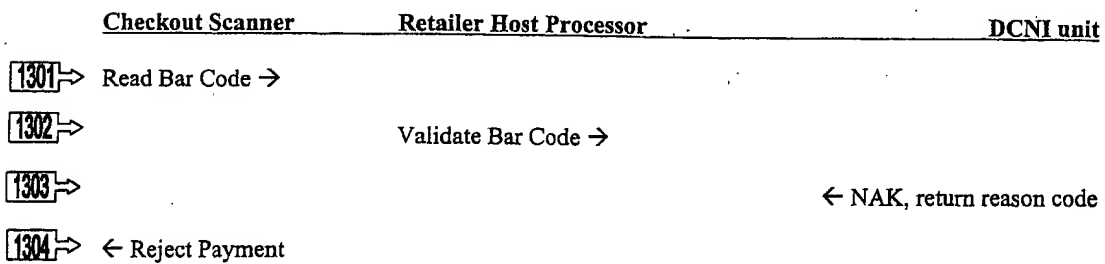


FIGURE 14

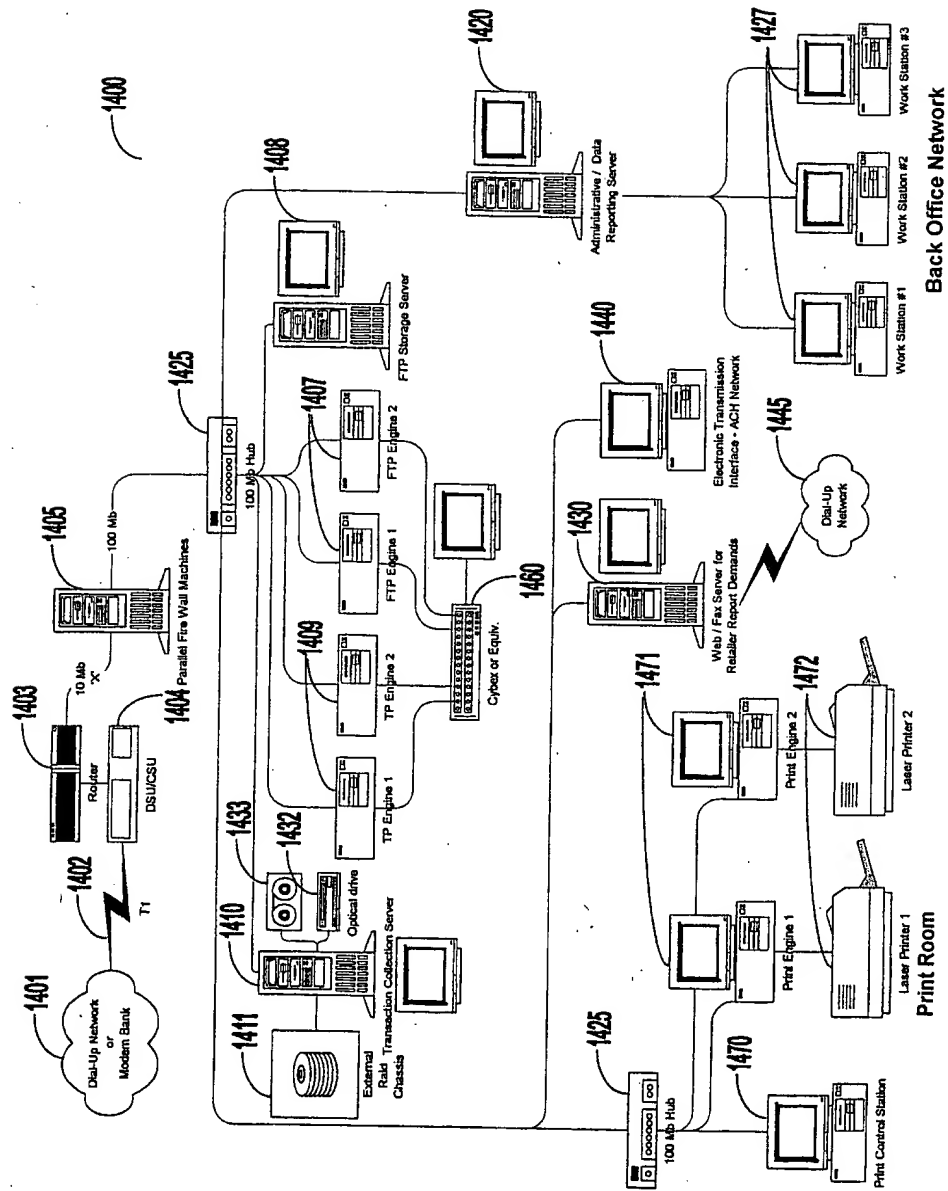


FIGURE 15

1500

TPE Statistics / Control -- Current System Batch: 10/12/2000 13:44:31

TPEC Performance Data

Counts

Jobs Pending

0 (0) 10

Jobs Active: (dbclk.more)

0 (0) 10

Jobs Attempted

0 (129) 1000

Jobs Failed

0 (0) 10

Transactions Processed

0 (244) 1000

Timing

Average Run Time

0 (00:06.9) 10

for last jobs (per job)

0 (0) 10

Last Job Run Time

0 (00:01.0) 10

Longest Pending

0 (00:00.0) 10

Longest Active

0 (00:00.0) 10

Estimated Completion

0 (0) 10

TPEC State

☒ Pause:

Paused

☐ Continue:

Hunt Mode

Hunting

Monitor Activity

Idle...

TP Biller
Resync

Tran Count from DB

Reset Stats

Done

1501

1502

FIGURE 16

1600

SMS, Version: 1.48 6/22/00

Tools

Distributors 1601

ID	Name
5	Maine/NH
6	LA East
7	Las Vegas
8	Tenn/Miss
9	North Central Californ
10	New Mexico
11	LA West
12	NY/NJ

Sites/Agents 1602

Site	Agent Name
000012	New York / New Jers
000912	NY/NJ Training Term
147224	McDermott Pharmacy,
147231	C-Town Supermarket
147483	Hospital Pharmacy
147497	Communications of A
147511	CCP Check Cashing
147525	United Check Cashing
147595	United Ck Cashing -
147623	Roman Express Servi
147630	E & A Grocery
147644	United Check Cashing
147700	Amboy Check X Change
147707	Marin Travel
147714	Express Check Cashing
147721	Express Check Cashing

Directory Structure

- z:\inetpub\ftproot
 - achdata
 - achreports
 - billspool.dir
 - commlogs
 - csxfer
 - distributor_1 1601
 - distributor_10
 - distributor_11
 - distributor_12
 - instructions
 - outbound
 - instructions 1602
 - site_000012
 - instructions 1603
 - site_000912
 - instructions
 - site_147224
 - instructions
 - site_147231
 - site_147483
 - site_147497
 - site_147511
 - instructions
 - site_147525
 - site_147595
 - site_147623

PT's Allowed: 17 PT's FTP Server Count: 2 CAPS NUM PINS: 10/16/2000 6:53 AM

FIGURE 17

1700

End of Batch Manager, Version: 1.42d-branch 07/14/00

System Batch

Current Batch: Oct 17 2000 1:55:31 PM

Next Batch: Oct 18 2000 9:00:00 AM

Time Left: 02:44:52 ☐ Hold ☐ Rollover Now

The CS is collecting jobs, waiting for the next rollover to occur.

Manual Edit Counts

Closed Batch: 0 ☐ Open Batch: 0 ☐ Move pending manual edits to the next Batch

Consolidation

Phase:

Table:

Reporting

Report: ☐ Skip

Trimming

Phase:

Table:

Archiving

Check Printing

Checks left to print: 0

Reports Override Exit

1701



1802

100-443887-100

1901

2081

1903

1004

1900

FIGURE 19

Electronic Transaction Detail -- 10/11/2000 15:35:09 -- MICRPS -- Total: 17,967.08									
Bill Name	Bill Number	Card Batch	Card ID	Account Number	Amount				
Pacific Bell-Van Nuys	10/11/2000 14:26:57	145020001011142713	57	32323554198925	28.92				
Gas Company	10/11/2000 14:30:57	15169020001011140649	38	04142597006	62.74				
Gas Company	10/11/2000 14:30:57	15169020001011143057	30	08212229000	52.57				
Pacific Bell-Van Nuys	10/11/2000 14:32:27	15133320001011141214	37	32323243487096	62.09				
Pacific Bell-Van Nuys	10/11/2000 14:32:27	15133320001011141214	38	32323300153986	16.47				
Pacific Bell-Van Nuys	10/11/2000 14:32:27	15133320001011141214	37	32323400153986	43.11				
Verizon-PO 30001	10/11/2000 14:37:08	15116520001011143708	23	3232345545400	26.15				
Gas Company	10/11/2000 14:38:13	14942920001011143913	24	012863119714139204	16.61				
Gas Company	10/11/2000 14:41:13	15241120001011130043	39	1379525683955	19.69				
Pacific Bell-Van Nuys	10/11/2000 14:41:13	15241120001011130043	31	19672596868	14.87				
Pacific Bell-Van Nuys	10/11/2000 14:41:31	15279562000101144131	30	32323554198925	25.32				
Pacific Bell-Van Nuys	10/11/2000 14:41:31	15279562000101144131	26	7149721087141	134.89				
Pacific Bell-Van Nuys	10/11/2000 14:42:52	15206120001011141214	27	7145422082046	78.45				
Gas Company	10/11/2000 14:48:05	15206120001011141214	28	7146670568361	34.92				
Pacific Bell-Van Nuys	10/11/2000 14:48:05	1520612000101114805	29	3232354980440	59.21				
Pacific Bell-Van Nuys	10/11/2000 14:48:05	1520612000101114805	28	32323243487096	5.89				
Gas Company	10/11/2000 14:50:57	15241120001011144113	30	32323465593956	17.22				
Gas Company	10/11/2000 14:50:57	15241120001011144113	32	15810083004	17.96				
Gas Company	10/11/2000 14:50:57	15241120001011148057	32	15810083004	9.45				
Gas Company	10/11/2000 14:50:57	15241120001011148057	37	16150075766	51.70				
LA Municipal Services-Box 10324	10/11/2000 14:50:57	15241120001011148057	37	11100103701	47.93				
Pacific Bell-Van Nuys	10/11/2000 14:50:57	15241120001011144113	39	1099762100760009002501	15.25				
Pacific Bell-Van Nuys	10/11/2000 14:50:57	15241120001011144113	33	323235835923416	19.69				
Pacific Bell-Van Nuys	10/11/2000 14:50:57	15241120001011145057	36	3237626463426	30.67				
					29.25				

2000

2003

2002

2001

Map Biller to Partner

BillID	BillName	Cash Payment Method	Electronic Trading Partner	Memo Posting Partner
00111	Verizon**PO 30001	Electronic	MCRPS	USWest Memo Postings ...
00112	US West Communications**Phoenix	Electronic	USWest	
00130	Salt River Project	Electronic	Citibank (inactive)	
00134	Discover Private Issue**Box 7061	Electronic	Citibank	
00140	Pacific Bell**Van Nuys	Electronic	MCRPS	
00145	APS	Electronic	Citibank (inactive)	
00148	Central Maine Power	Electronic	CMP (Central Maine Pow...	
00160	American Express**Box 2853, NY,NY	Electronic	Citibank (inactive)	
00161	Con Edison**PO 1702	Electronic	Citibank	
00173	Gas Company	Electronic	MCRPS	
00180	Edison Company**Box 600	Electronic	Citibank	
00187	Northern Utilities, Inc.**PO 4320	Electronic	Bell Atlantic, NJ	
00190	Verizon**PO 4830	Electronic	Citibank	
00191	PSE&G**NJ	Electronic	Citibank	
00198	Discover Card**1730 South	Electronic	Citibank	
00201	Texaco**Tampa	Electronic	Citibank	
00209	Cablevision of NYC**Soundview Av	Electronic	Citibank	
00228	AT&T Universal Card Services**Columbus	Electronic	Citibank	
00256	PG&E**Embarcadero Drive	Electronic	Citibank	
00261	Sprint**PO 52243	Electronic	Citibank	
00266	Cablevision of Long Island	Electronic	Citibank	
00268	PNM Electric & Gas Services	Electronic	PNM	
00279	Sprint**PO 650270	Electronic	Citibank	
00285	LA Municipal Services**Box 10324	Electronic	MCRPS	
00290	Bell Atlantic**28007	Electronic	Citibank	
00304	Sprint**PO 52243	Electronic	Citibank	
00316	Pacific Bell**Sacramento	Electronic	MCRPS	
00348	Discover Card**Box 105430	Electronic	Citibank	
00362	American Express**Los Angeles	Electronic	Citibank (inactive)	

Selected: 00101, North East Power and Light

FIGURE 20



100